
A NEW JAVANESE GALL MIDGE
(*Trishormomyia pandani* n. sp.)

by

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This large species is tentatively referred to the above named genus in spite of the somewhat long circumfila of the male because other characters appear to more closely relate the insect to this genus than to any other. The specimens were received from Mr. S. LEEFMANS, accompanied by the statement that the midges were reared from galls on Pandan leaves *) found at Tjibodas, Java, at an altitude of 4200 feet. Mr. LEEFMANS has made notes on the development of the galls, the larvae, the pupae and the parasite, data which appear in connection with this description.

Male. Length 3 mm. Antennae extending to the third abdominal segment, thickly haired, yellowish brown, 14 segments, the third with a length over three times its diameter and slightly constricted near the middle, the fourth with a more distinct basal and apical constriction and the fifth distinctly binodose, the basal part of the stem with a length almost equal to its diameter, the distal part with a length about one half greater than its diameter, the basal enlargement subglobose, with a thick subbasal whorl of long stout setae and a subapical circumfilum, the loops being nearly as long as the diameter of the enlargement and about fifteen in number. The distal enlargement with a median thick whorl of long stout setae and basal and apical circumfila, the loops of the former somewhat shorter than those of the distal filum which latter have a length about equal to the diameter of the enlargement. Terminal segment with a transverse stem, and broadly oval distal enlargement, the length being about two and one fourth times greater than the diameter, and apically a fusiform appendage which may represent a rudimentary segment. Palpi short, the first segment short, subquadrate, thickly haired,

*) According information by the Botanist of the Java flora, Mr. C. A. Backer *Pandanus nitidus* Kurz.

the second broadly oval, with a length one half greater than its diameter, the third nearly twice the length of the second, sparsely haired. Mesonotum yellowish brown, the submedian lines sparsely haired, scutellum and postscutellum a little darker. Abdomen sparsely haired, rather thickly so laterally, yellowish orange, the genitalia fuscous yellowish, wings rather thickly clothed with dark grayish hairs, costa mostly dark brown, subcosta uniting with the margin before the basal half, the third vein well beyond the apex, the fifth at the distal fourth, its branch near the basal half, halteres fuscous yellowish basally, fuscous apically, coxae and base of femora fuscous yellowish, the distal portion of femora fuscous straw, the tibiae and tarsi dark brown. Claws missing. Genitalia, basal clasp segment long, moderately stout, very thickly clothed with long, fuscous setae, terminal clasp segment long, moderately stout, slightly curved, distinctly swollen and very thickly haired basally. Dorsal plate short, broad, divided, the lobes subtriangular and narrowly rounded apically. Ventral plate short, broad, broadly rounded and broadly emarginate distally. Style long, broad, broadly emarginate distally.

F e m a l e. (Plate XII fig. 5). Length 4.5 to 5 m.m. Antennae extending to the fourth abdominal segment, sparsely haired, dark reddish brown, 14 segments, the fifth with a stem about one fourth the length of the cylindrical basal enlargement, which latter is slightly constricted near the basal third, has a length three times its diameter, subbasal and subapical rather thick whorls of long, stout, setae, moderately high circumfila at the basal third, near the middle and apically, the loops having a length approximately one third the diameter of the enlargement, the distal segments with the enlargement more distinctly constricted. Terminal segment with a knob-like apex, the enlargement with a length over twice its diameter, and distinctly though slightly constricted at the basal third. Palpi invisible in the mount. Mesonotum shining dark brown, the submedian lines sparsely haired, the scutellum dark brown, postscutellum a little lighter. Abdomen rather thickly haired laterally, yellowish orange *), the ovipositor fuscous yellowish. Halteres fuscous, coxae and base of femora and tibiae dark straw, the tarsi mostly dark brown. Claws long, rather slender, strongly curved apically, simple, the pulvilli a little shorter than the claws. Ovipositor short, the lobes broadly and roundly triangular, the length being a little greater than the diameter, and thickly setose.

Type Cecid. A 3107 N. Y. State Museum.

*) Living or freshly killed specimens have the abdomen coloured distinctly carrot red (S. L.).